



## APPLICATION

This WPA Series Mini LED Wall Pack Light is designed for security lighting, it's widely used at pathway, hallway, perimeter, patio, entrance, stairway, house, garden, garage, yard, warehouse, factory, store, street, porch. With premium driver and Dust-to-Dawn photocell, this product lasts for 100000 hours and save up 80% on energy and operating costs. Inside with quality Lumileds LED as light sources, it's great solution to replace conventional fixtures.

**Wall Pack is widely used in pathway, hallway, perimeter, patio, entrance, stairway, house, garden, garage, yard, warehouse, factory, store, street, porch**

## FEATURES

- Dusk-to-Dawn photocell available - Auto turn on at dusk and off at dawn
- Unique private slim shape design with solid durable construction
- Easy and fast installation - Direct mounting on wall or with J-Box
- High efficiency output - light efficiency is up to 120LPW
- Waterproof IP65 rating - suitable for all kinds of weather
- Good energy saving - save 80% electricity cost compared to traditional lamp
- 5 Years Warranty for whole fixture and power supply

## GENERAL SPECIFICATIONS

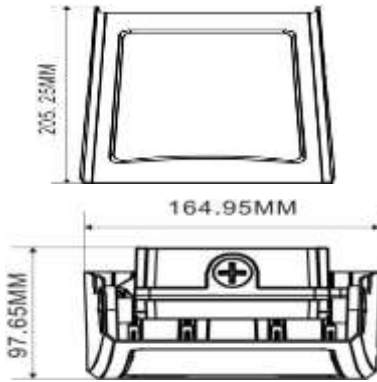
Item No.	ML-WPD2-20W, 30W, 40W, 60W, 80W, 100W, 120W
System Power(±5%)	20W, 30W,40W ,60W,80W,100W,120W
<b>Electrical Data</b>	
Input Voltage	100-277 VAC
LED Driver	MINGLIGHT Driver
Power Frequency	50/60Hz
Power Factor	>0.9
THD	<20%
<b>Temperature Data</b>	
IP Rate	IP65 wet/outdoor
Operating Temp	-40° ~ 131° F (-40° ~ 55° C)
Ambient Temp	-4° ~ 104° F (-20° ~ 40° C)
Storage Temp	-40° ~ 158° F (-40° ~ 70° C) R.H.≤85%
Lifespan	≥50000Hrs (Ta=30°C@L70) Operating
Fixture Material	Die casting Aluminium body
Safety Certification	ETL, DLC
Warranty	5 Years

### GENERAL SPECIFICATIONS

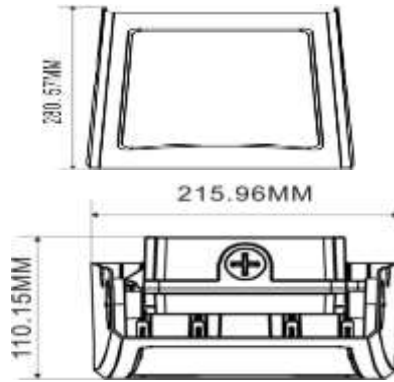
<b>Item No.</b>	<b>ML-WPD2-20W, 30W, 40W, 60W, 80W, 100W, 120W</b>						
<b>System Power(±5%)</b>	20W, 30W,40W ,60W,80W,100W,120W						
<b>Optical Data</b>							
<b>System Efficacy</b>	<b>ML-WPD2-20W, 30W, 40W, 60W, 80W, 100W, 120W</b>						
	120(±5%) Lm/W tested based on 5000K Ra70						
<b>Luminous Flux (±5%)</b>	<b>ML-WPD2-20W</b>	<b>30W</b>	<b>40W</b>	<b>60W</b>	<b>80W</b>	<b>100W</b>	<b>120W</b>
	2400LM	3600LM	4800LM	7200LM	9600LM	12000LM	14400LM
<b>LED Chip</b>	Lumileds SMD3030						
<b>Beam Angle</b>	<b>ML-WPD2-20W,30W,40W,60W,80W</b>			<b>ML-WPD2-100W,120W</b>			
	80°			90°			
<b>Light Color</b>	3000K / 4000K / 5000K / 5700K						
<b>CRI</b>	>70 Ra						
<b>UGR</b>	<19						
<b>Dimension &amp; Packing Data</b>							
<b>Product size (LxWxH)</b>	<b>ML-WPD2-20W,30W,40W</b>		<b>ML-WPD2-60W,80W</b>		<b>ML-WPD2-100W,120W</b>		
	205 x 165 x 98mm (8,07" x 6,50" x 3,86")		281 x 216 x 110mm (11,06" x 8,50" x 4,33")		331 x 267 x 124mm (13,03" x 10,51" x 4,88")		
<b>Net Weight</b>	<b>ML-WPD2-20W,30W,40W</b>		<b>ML-WPD2-60W,80W, 100W,120W</b>				
	10.5 KGS (23.15 LBS)		13.5 KGS (29.76 LBS)				
<b>Gross Weight</b>	11.1 KGS (24.47 LBS)		15.0 KGS (23.07 LBS)				
<b>Carton size (LxWxH)</b>	<b>ML-WPD2-20W,30W,40W</b>		<b>ML-WPD2-60W,80W</b>		<b>ML-WPD2-100W,120W</b>		
	42*39.5*26cm ( 16,54*15,55*10,24 inch)		49.5*35*55cm ( 19,49*15,55*21,65 inch)		40*38.5*65cm ( 15,75*15,16*25,59 inch)		
<b>Qty/Carton</b>	<b>ML-WPD2-20W,30W,40W, 60W,80W</b>			<b>ML-WPD2-100W,120W</b>			
	6 PCS			4 PCS			
<b>Loading Qty/20' GP</b>	<b>ML-WPD2-20W,30W,40W</b>		<b>ML-WPD2-60W,80W, 100W,120W</b>				
	500 CTNS / 2000 PCS		200 CTNS / 1200 PCS				
<b>Loading Qty/40' GP</b>	1000 CTNS / 4000 PCS		450 CTNS / 2700 PCS				
<b>Loading Qty/40' HQ</b>	1300 CTNS / 5200 PCS		540 CTNS / 3240 PCS				
<b>L.E.D. vs HPS / MH Equivalence</b>							
<b>LED</b>	<b>20W</b>	<b>30W</b>	<b>40W</b>	<b>60W</b>	<b>80W</b>	<b>100W</b>	<b>120W</b>
<b>HPS / MH</b>	<b>100W</b>	<b>150W</b>	<b>200W</b>	<b>250W</b>	<b>300W</b>	<b>350W</b>	<b>400W</b>

### DIMENSIONS

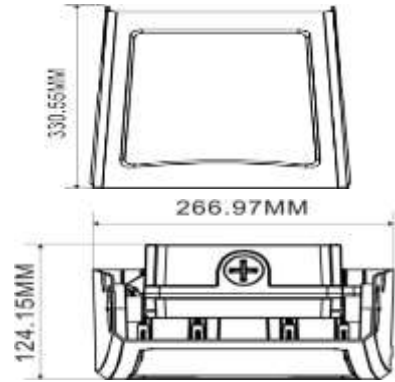
ML-WPD2-20W,30W,40W



ML-WPD2-60W,80W



ML-WPD2-100W,120W



### TECHNICAL SPECIFICATIONS

**#Certificate**

Rosh approved

This product is tested by independent lab. with all green material.

CE / ETL / DLC approved

This product have passed CE & ETL

testing and is fully DLC approved.

IESNA LM-79 and LM-80 Testing

Ming light fixture have been tested by

independent lab. in accordance with

IESNA LM-79 and LM-80 Testing

**#LED Characteristics**

**Lifespan**

100000 hours LED lifespan based on IES LM-80 results and TM-21 Calculation.

**Color Consistency**

7-step Macadam Ellipse binning to achieve consistent one by one color.

**Color Stability:**

LED color temperature is warranted to shift no more than 200K in CCT over a 50000 hours.

**Color Uniformity:**

Ming light's range of CCT follows the guidelines of the American National standard for specification for the chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

**#Smart Engine Dimming Driver**

1-10V Dimming optional

**Smart Sensor**

Photocell optional

**#Installation**

**IES Classification:**

110° beam angles, the lighting output produces a oval shape distribution to cover the area.

**Mounting:**

This product is direct mounting on wall mounting or with J-box  
The application including Warehouse, patio, entrance, stairway, house, Garage, outdoor facilities.


**#IP Rating**

Ingress Protection rating of IP65  
IP65 for dust and water

**Greenity:**

Mercury or UV free. Rosh compliant components. Package boxes are made with recyclable material.

## #SMART SOLUTION OPTIONS

Description	Pictures	Function
Photocell		Auto turn on at dusk/night and off at dawn/daytime

## #TROUBLE SHOOTING

Problem	Possible Cause	Solutions
LEDs stop working	The power line is improperly connected.	Reconnect the power cable.
	The power plug is loose.	Firmly plug the power in.
	The LED driver malfunctions.	Replace with new driver.
	The LED chip is damaged.	Replace with new LEDs.
LEDs flash on and off	The output of the driver is abnormal.	Replace with new driver.
	The LED chip breaks down.	Replace with new LED chip.

## #WARRANTY

Minglight warrants that our LED products will be free from defect in material and workmanship for a period of 5 years from the data of delivery to the end user including coverage of light output, color stability, driver performance and fixture.

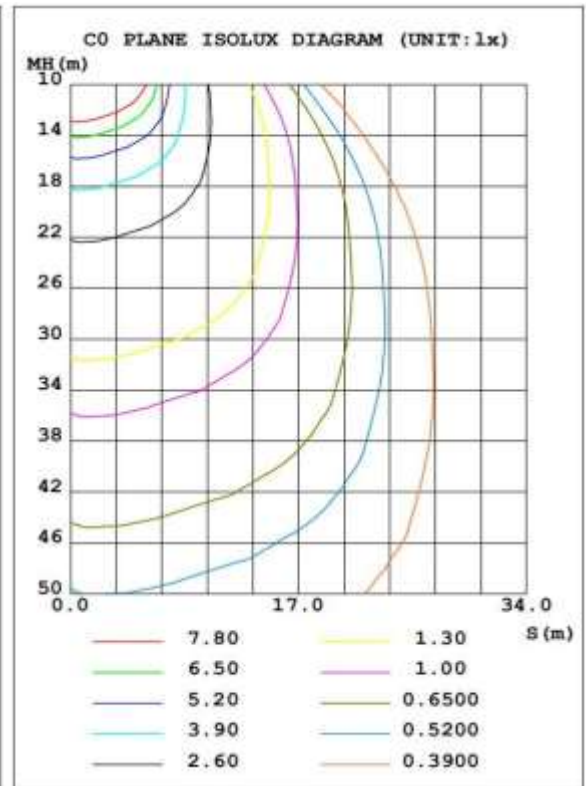
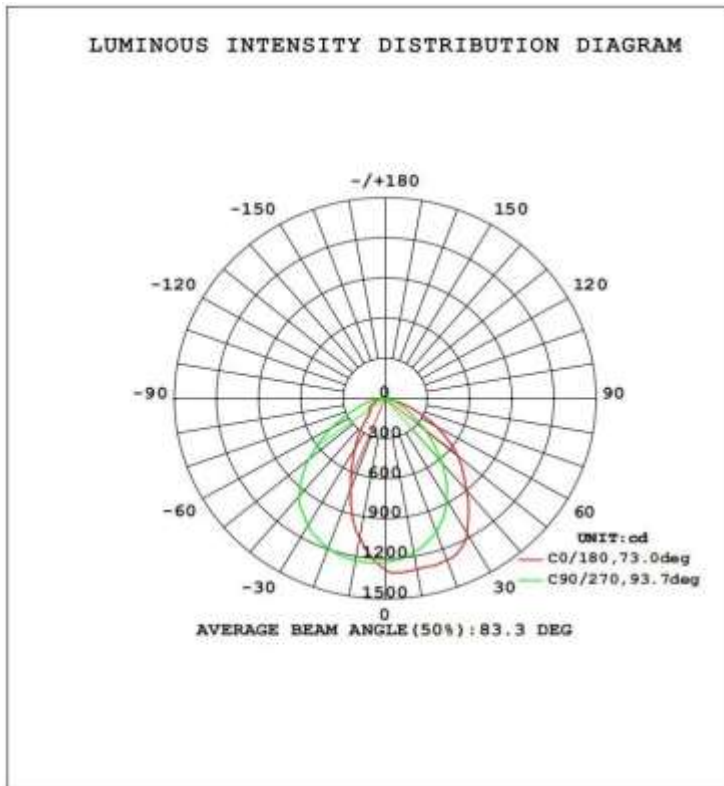
Tech Support Line: +86-13528821737 or +86-755-28343760 Email: [sales@minglight.com.cn](mailto:sales@minglight.com.cn)

Website: [www.minglight.com.cn](http://www.minglight.com.cn) Copyright 2019 Shenzhen Minglight Co., Limited. All Rights Reserved. Note: Specs are subject to the change at any time without notice

### PHOTOMETRICS

ML-WPD2-20W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 123.80 lm/W
MODEL	WPD2-20W	I <sub>max</sub> (cd)	1309	S/MH (C0/180)	0.69	
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	1.32	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	2513.2	η UP, DN (C0-180)	0.4, 47.8	
NOMINAL FLUX (lm)	2513.18	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 51.4	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	220	η down (%)	99.2	CIBSE SHR MAX	1.15	

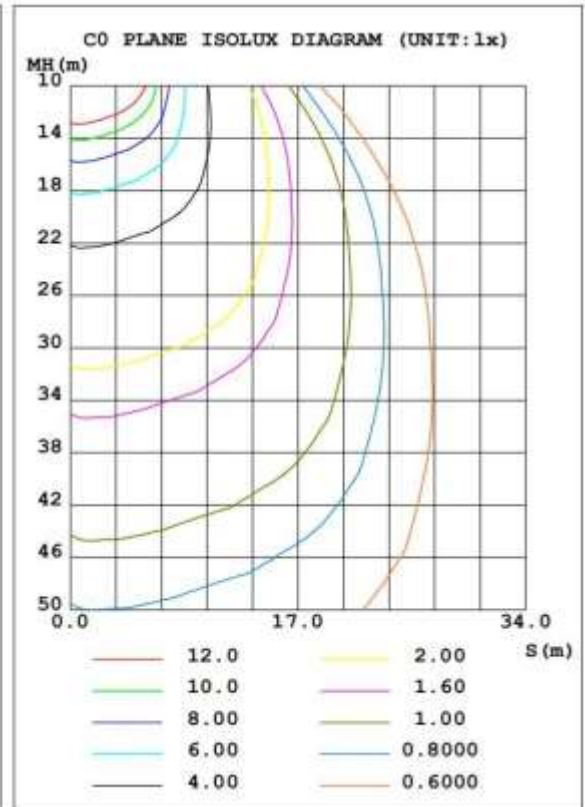
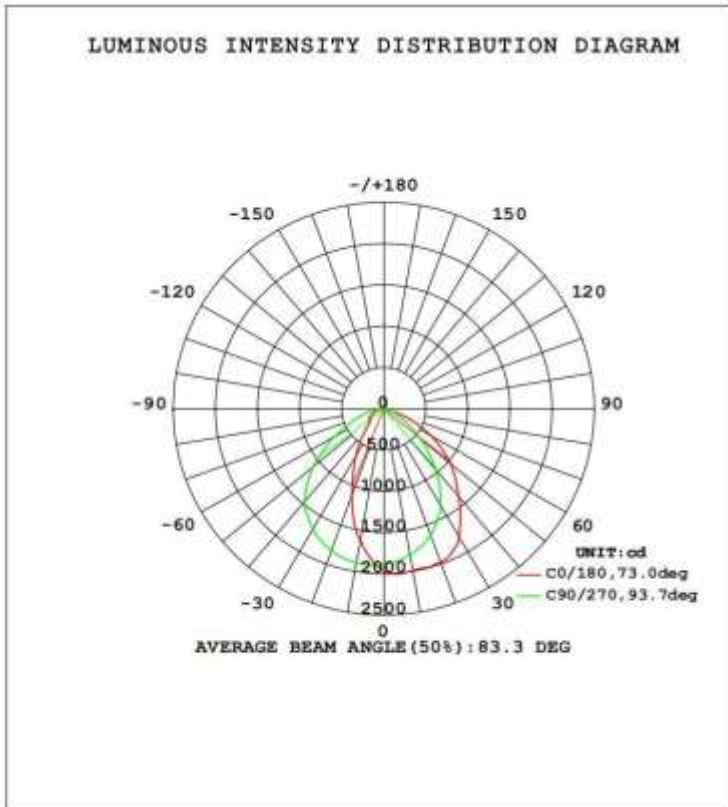


Suggested mounting height for best illumination effect: 6 to 13 feet (2 - 4 meters)

### PHOTOMETRICS

ML-WPD2-30W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 123.60 lm/W
MODEL	WPD2-30W	I <sub>max</sub> (cd)	2009	S/MH (C0/180)	0.69	
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.32	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3856.3	η UP, DN (C0-180)	0.4, 47.8	
NOMINAL FLUX (lm)	3856.35	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 51.4	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	220	η down (%)	99.2	CIBSE SHR MAX	1.15	



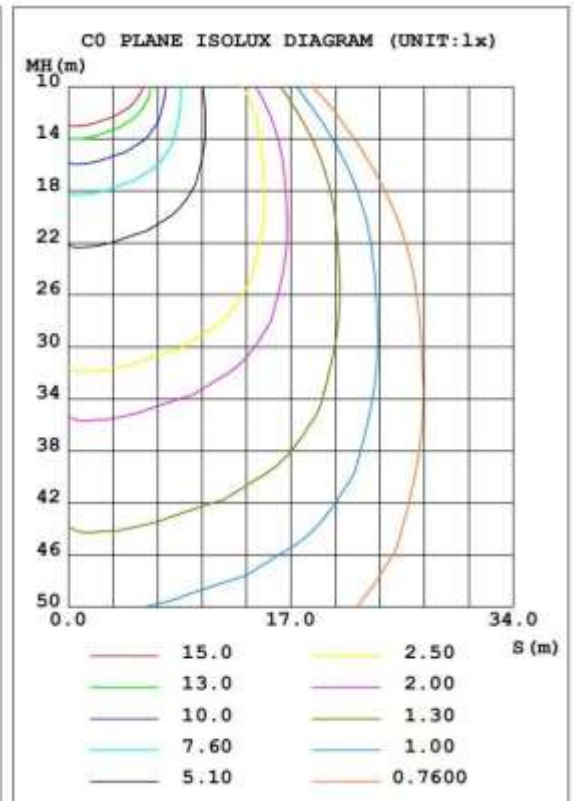
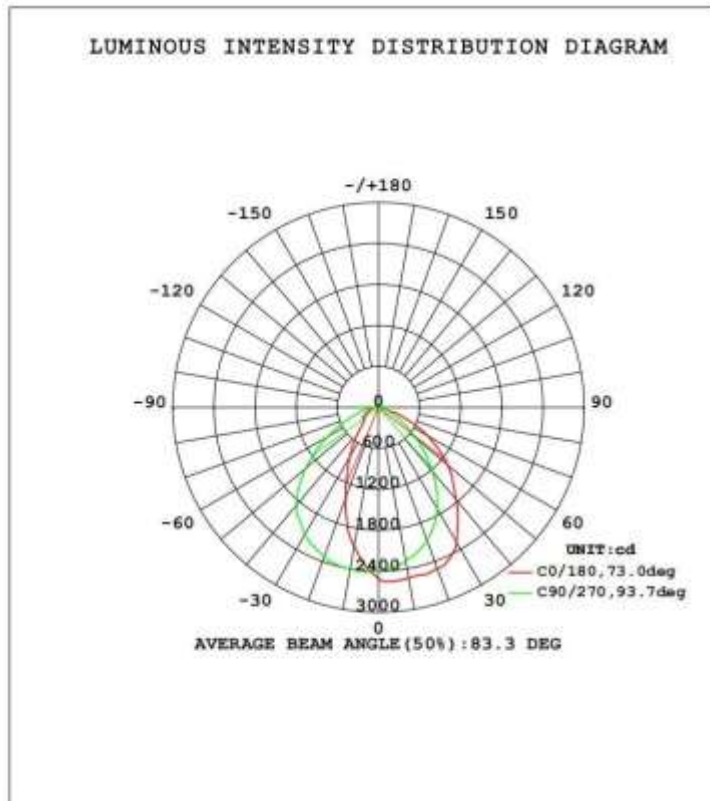
Suggested mounting height for best illumination effect: 6 to 13 feet (2 - 4 meters)



### PHOTOMETRICS

ML-WPD2-40W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.30 lm/W
MODEL	WPD2-40W	I <sub>max</sub> (cd)	2558	S/MH(C0/180)	0.69	
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH(C90/270)	1.32	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4909.8	η UP, DN (C0-180)	0.4, 47.8	
NOMINAL FLUX (lm)	4909.78	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 51.4	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	220	η down (%)	99.2	CIBSE SHR MAX	1.15	

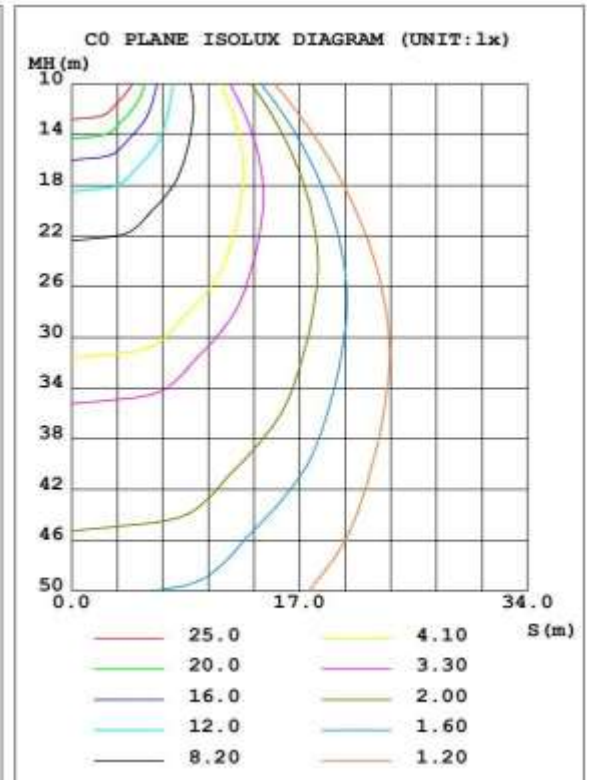
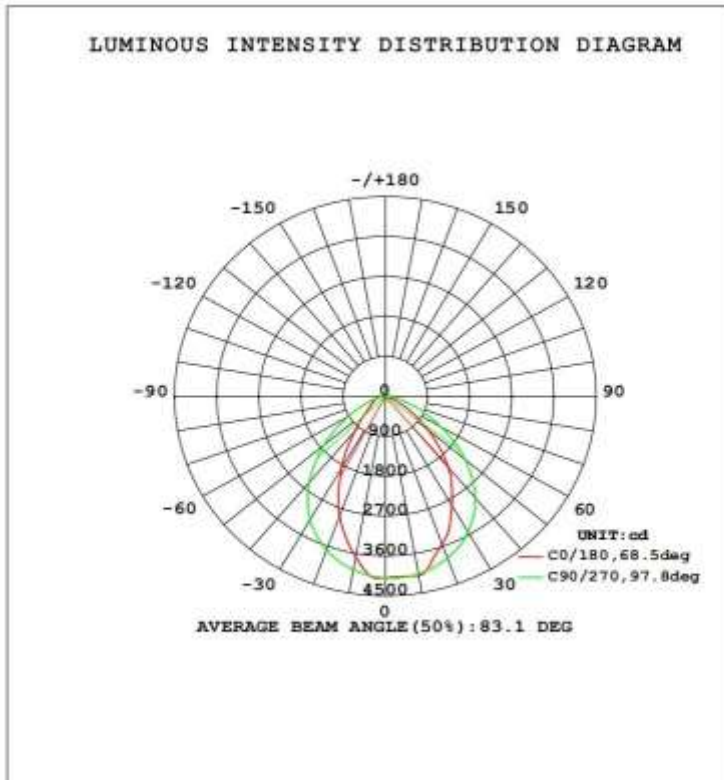


Suggested mounting height for best illumination effect: 6 to 16 feet (2 - 5 meters)

### PHOTOMETRICS

ML-WPD2-60W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 121.30 lm/W
MODEL	WPD2-60W	I <sub>max</sub> (cd)	4110	S/MH (C0/180)	0.84	
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.18	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	7411.3	η UP, DN (C0-180)	0.3, 54.0	
NOMINAL FLUX (lm)	7411.27	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 45.2	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	220	η down (%)	99.2	CIBSE SHR MAX	1.10	



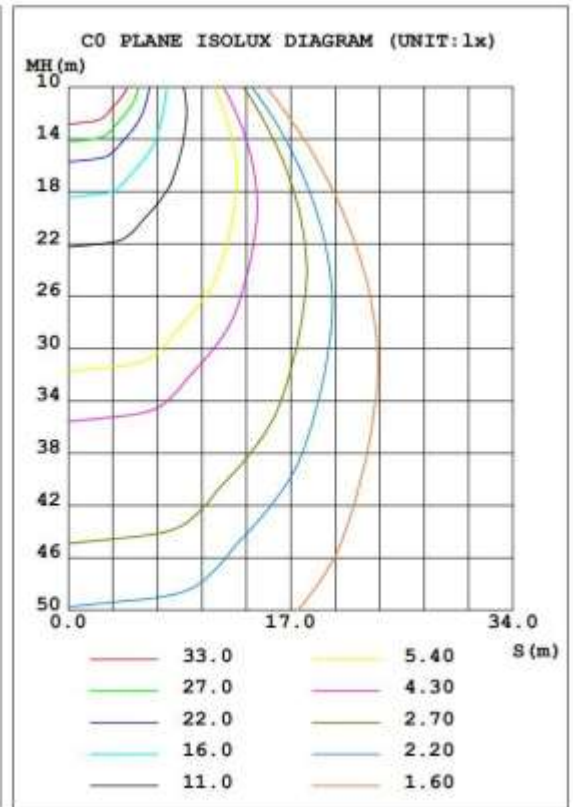
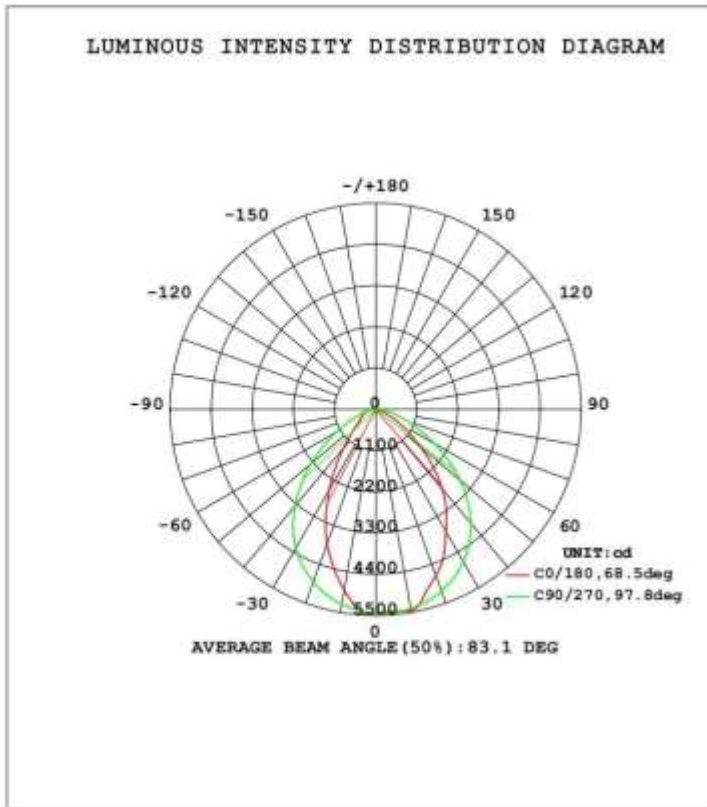
Suggested mounting height for best illumination effect: 10 to 23 feet (3 - 7 meters)



### PHOTOMETRICS

#### ML-WPD2-80W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 122.29 lm/W
MODEL	WPD2-80W	I <sub>max</sub> (cd)	5459	S/MH (C0/180)	0.84	
NOMINAL POWER (W)	80	LOR (%)	100.0	S/MH (C90/270)	1.18	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	9844.6	η UP, DN (C0-180)	0.3, 54.0	
NOMINAL FLUX (lm)	9844.62	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 45.2	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	220	η down (%)	99.2	CIBSE SHR MAX	1.10	

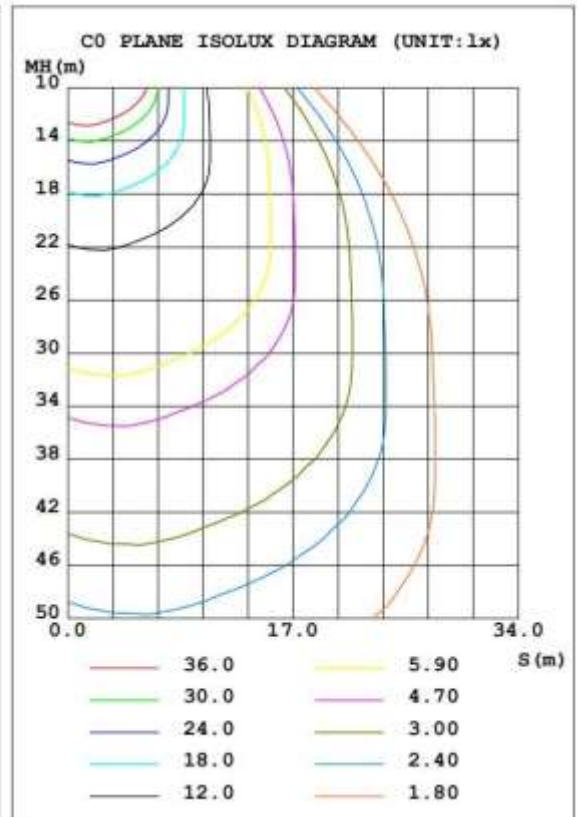
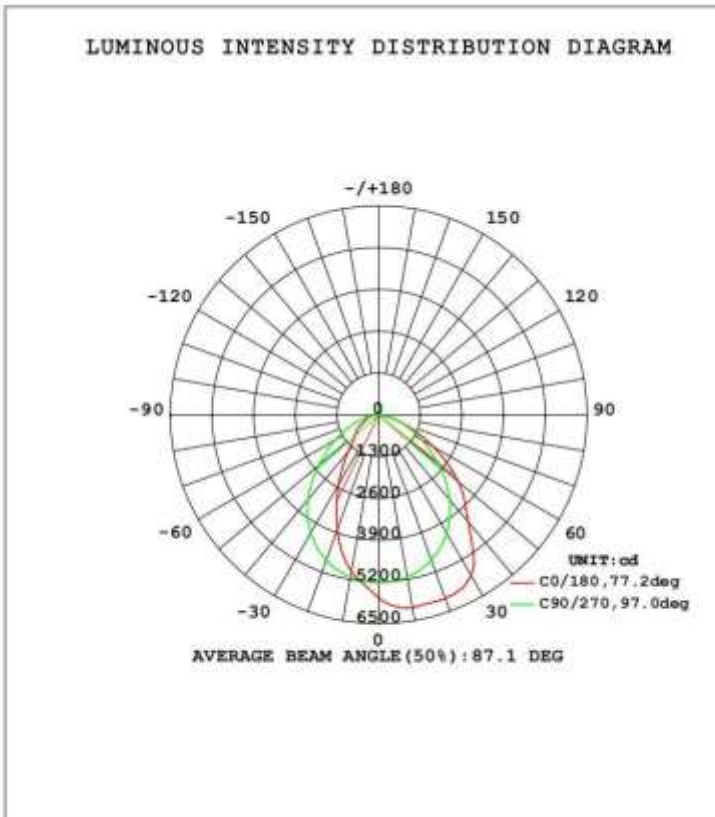


Suggested mounting height for best illumination effect: 10 to 23 feet (3 - 7 meters)

### PHOTOMETRICS

ML-WPD2-100W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 122.59 lm/W
MODEL	WPD2-100W	I <sub>max</sub> (cd)	6085	S/MH (C0/180)	0.80	
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.22	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	12111	η UP, DN (C0-180)	0.4, 53.4	
NOMINAL FLUX (lm)	12111.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 45.7	
LAMPS INSIDE	1	η up (%)	0.9	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220	η down (%)	99.1	CIBSE SHR MAX	1.25	

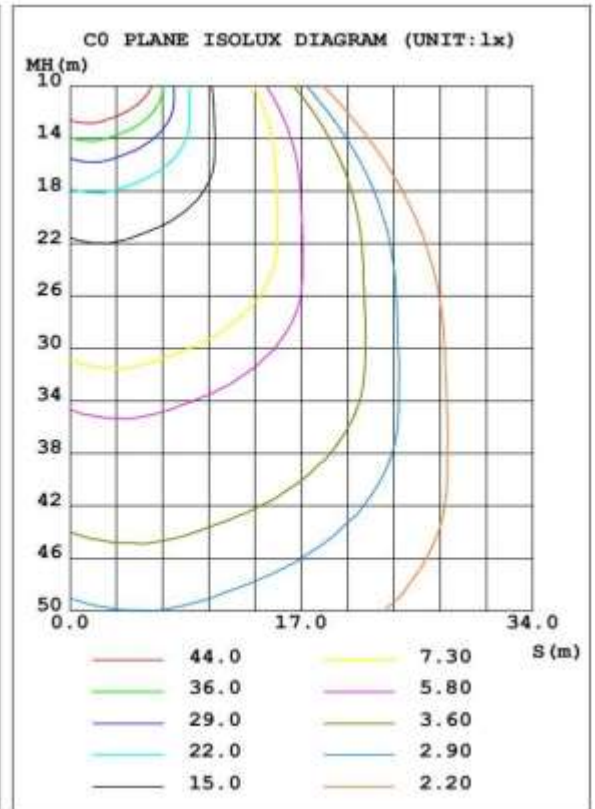
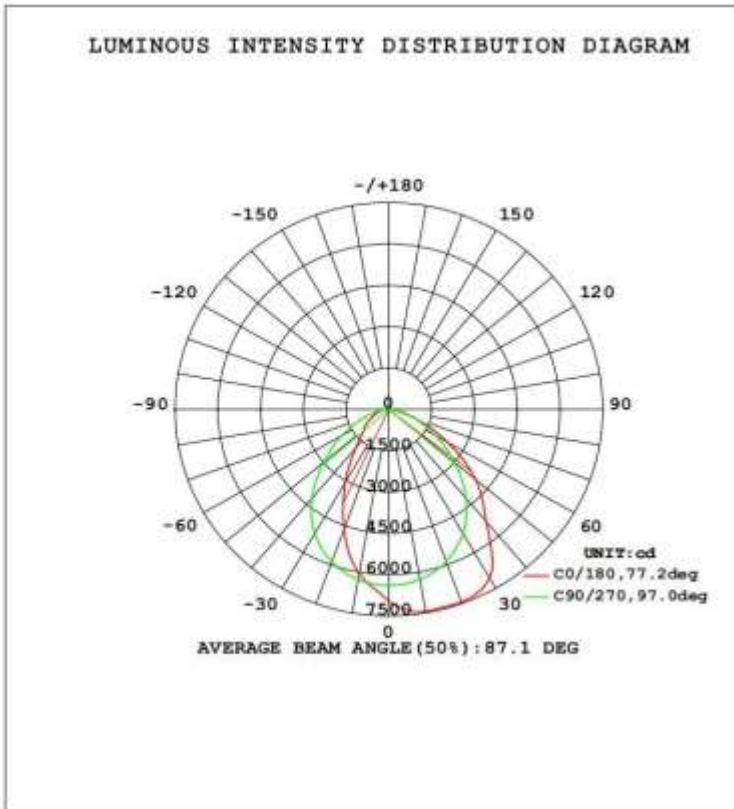


Suggested mounting height for best illumination effect: 16 to 26 feet (4 - 8 meters)

### PHOTOMETRICS

ML-WPD2-120W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.02 lm/W
MODEL	WPD2-120W	I <sub>max</sub> (cd)	7445	S/MH (C0/180)	0.80	
NOMINAL POWER (W)	120	LOR (%)	100.0	S/MH (C90/270)	1.22	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14820	η UP, DN (C0-180)	0.4, 53.4	
NOMINAL FLUX (lm)	14820	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 45.7	
LAMPS INSIDE	1	η up (%)	0.9	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220	η down (%)	99.1	CIBSE SHR MAX	1.25	



Suggested mounting height for best illumination effect: 16 to 26 feet (4 - 8 meters)

## INSTALLATION DIAGRAM

ML-WPD2-20W,30W,40W,60W,80W,100W,120W

